

DE9-1999-0087

Remarks/Argument begin on page 7 of this paper.

Listing of Claims

1. (Currently Amended) A method Method for running in parallel at least one parallel method ~~(28)~~ associated with a sequential caller program means, said the method comprising ~~the step of:~~

issuing ~~(220)~~ a dedicated parallelization call to a parallel program manager managing means (18, 22, 26) comprising all control information needed to allow for running said parallel method ~~(28)~~ in as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.
2. (Currently Amended) The method according to claim 1 further comprising ~~the step of:~~

serializing ~~(210)~~ input arguments for ~~said a~~ subprogram means,

running ~~(230, 240)~~ said parallel method ~~(28)~~ in parallel on a different machine yielding a result,

DE9-1999-0087

returning ~~(250, 260, 270)~~ said result to the caller program,

deserializing ~~(280)~~ the result.

3. (Currently Amended) The method according to claim 1 further comprising the step of generating said parallel method ~~(28)~~ with a script program means which in turn is arranged to invoke a stream editor in order to fill a template means with the code or the name of the method ~~(28)~~ to be computed in parallel.
4. (Currently Amended) The method according to claim 3, further comprising the step of automatically generating ~~the~~ an instantiation of said template means.
5. (Previously Presented) The method according to claim 4 in which a script is used for generating parallel subprograms.
6. (Currently Amended) The method according to claim 1 in which said dedicated parallelization call ~~(220)~~ is done more than once during the run of said caller program means.
7. (Currently Amended) The method according to claim 6 in which ~~the~~ parallelization parameters are selectable for each dedicated parallelization call ~~(220)~~.

DE9-1999-0087

8. (Currently Amended) The method according claim 2 further comprising the step of using a program library which comprises program means for performing the steps of serializing input arguments, running said parallel method in parallel, returning said result and deserializing the result.
9. (Currently Amended) A distributed computer system arranged for running in parallel at least one parallel method ~~(28)~~ associated with a sequential caller program means, said system comprising: ~~means for performing the step according to one of the preceding claims~~ means for issuing a dedicated parallelization call to a parallel program manager comprising all control information needed to allow for running said parallel method as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.
10. (Currently Amended) A computer ~~Computer~~ program comprising code portions adapted for running in parallel at least one parallel method associated with a sequential caller program, performing the steps according to the method according to claim 1 when said program is loaded into a computer device ~~[[.]]~~, said method comprising:

DE9-1999-0087

issuing a dedicated parallelization call to a parallel program manager comprising all control information needed to allow for running said parallel method as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.

11. (Currently Amended) A computer ~~Computer~~ program product stored on a computer usable medium comprising a computer readable program means for causing a computer to perform the a method of ~~claim 1~~ for running in parallel at east one parallel method associated with a sequential caller program, said method comprising:

issuing a dedicated parallelization call to a parallel program manager comprising all control information needed to allow for running said parallel method as a parallel program, wherein programming of said parallel program manager and said parallel program are independent of the programming of said sequential caller program in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms.

12. (Currently Amended) A program ~~Program~~ library comprising at least one of:

DE9-1999-0087

an implementation of an application interface for procedural parallel operating environment (POE) calls ~~(220)~~ to a parallel program manager managing means ~~(22,26)~~, wherein programming of said application interface is independent of the programming of said parallel program manager in at least one of the following aspects: programming language, compilation, linkage, and hardware platforms;

template means for parallel subprogram means [[,]]; and

script means for generating parallel subprograms.

13. (Currently Amended) The library according to claim 12 which provides the prerequisites to generate user library functions that make parallelism transparent to a caller of said user library functions.
14. (Currently Amended) A user ~~User~~-library generated by means of the library according to claim 12.
15. (Currently Amended) The library according to claim 12 which said library is a dynamic link library.
16. (Currently Amended) A parallel program managing tool comprising program means for returning ~~(250, 260, 270)~~ results from parallel executable subprogram means.